

AMENDMENTS TO THE SPECIFICATION

Please insert the following on page 85 after chart 1B:



Chart 1B "o" represents "excellent".

Please insert the following on page 87 after chart 2B:

In Chart 2B "o" represents "excellent" and "x" represents "poor".

Please insert the following on page 89 after chart 3B:

In Chart 3B "o" represents "excellent" and "x" represents "poor".

Please amend Chart 3A appearing on page 88 as follows:

Sample No.		NdFeB Coarse Magnet Powder (Co-less)											SmFeN Coarse Magnet Powder 10%Sm-7%Fe-13%N (at%)				Epoxy Resin Mixture Ratio (%)	
		Composition (at%)									Surfactant	Average Grain Diameter (μm)	Mixture Ratio					
		Nd	Dy	B	Fe	Ga	Nb	Zr	Co	La				Pr				
First Comparison Example	B1	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	98	-	2		
	B2	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	98	-	2		
	C1	12.7	-	6.2	Bal.	0.3	0.2	-	-	-	0.1	Yes No	106	78	3	20	2	
	C2	12.7	-	6.2	Bal.	0.3	0.2	-	-	-	0.1	Yes	106	78	Yes No	3	20	2
	C3	12.7	-	6.2	Bal.	0.3	0.2	-	-	-	0.1	Yes No	106	78	No	3	20	2
	D1	13.5	0.5	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	45 35	78	Yes	3	20	2
	D2	13.5	0.5	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	425	78	Yes	3	20	2
	E1	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	45	Yes	3	53	2
E2	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	88	Yes	3	10	2	
F1	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	79.5	Yes	3	20	0.5	
F2	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	73	Yes	3	15	12	

First Comparison Example

Please amend Chart 3A appearing on page 88 as follows:

Sample No.	NdFeB Coarse Magnet Powder (Co-less)												SmFeN Coarse Magnet Powder 10%Sm-7%Fe-13%N (at%)			Epoxy Resin Mixture Ratio (%)
	Composition (at%)										Surfactant		Average Grain Diameter (μm)	Mixture Ratio		
	Nd	Dy	B	Fe	Ga	Nb	Zr	Co	La	Pr						
First Comparison Example	B1	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	-	-	2
	B2	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	-	-	2
	C1	12.7	-	6.2	Bal.	0.3	0.2	-	-	-	0.1	Yes No	106	3	20	2
	C2	12.7	-	6.2	Bal.	0.3	0.2	-	-	-	0.1	Yes	106	3	20	2
	C3	12.7	-	6.2	Bal.	0.3	0.2	-	-	-	0.1	Yes No	106	3	20	2
	D1	13.5	0.5	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	45 35	3	20	2
	D2	13.5	0.5	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	425	3	20	2
	E1	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	3	53	2
E2	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	3	10	2	
F1	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	3	20	0.5	
F2	12.5	-	6.4	Bal.	0.3	0.2	-	-	-	-	Yes	106	3	15	12	

First Comparison Example

Please amend Chart 3B appearing on page 89 as follows:

Sample No.	Max Energy Product (BH) _{max} (kJ/m ³)	Relative Density (%)		Irreversible Loss (%)		Normalized grain count of NdFeB coarse magnet powder in the bonded magnet (x10 ⁹ pieces/m ³)	Even dispersion of SmFeN fine magnet powder on the entire surface of NdFeB coarse magnet powder	Point of Comparison
		Molding Pressure 392MPa	Molding Pressure 882MPa	Atmospheric Temperature 100°C	Atmospheric Temperature 120°C			
B1	145	80	87	-18.0	-29.0	1.43	-	No SmFeN fine magnet powder
B2	165	82	89	-21.0	-31.0	1.55	-	No SmFeN fine magnet powder (High density via high pressure)
C1	180	87	94	-6.6	-8.2	1.21	x	No surfactant treatment of SmFeN fine NdFeB coarse magnet powder
C2	182	87	94	-7.5	-9.2	1.25	x	No surfactant treatment of NdFeB coarse SmFeN fine magnet powder
C3	177	85	94	-14.2	-20.2	1.30	x	No surfactant treatment of either magnet powder
D1	127	94	95	-4.0	-5.8	1.05	o	Below lower limit of NdFeB coarse magnet powder average grain diameter
D2	135	95	96	-3.5	-5.0	0.72	o	Above upper limit of NdFeB coarse magnet powder average grain diameter
E1	160	90	93	-4.5	-6.0	0.56	o	Below lower limit of NdFeB coarse magnet powder mixing ratio
E2	175	92	94	-6.0	-7.9	1.21	x (Not entire surface)	Above upper limit of NdFeB coarse magnet powder mixing ratio
F1	180	92	93	-7.0	-8.8	1.26	o	Below lower limit of resin mixture ratio
F2	130	94	96	-3.0	-5.1	0.54	o	Above upper limit of resin mixture ratio

First Comparison Example